

SEQUENCE LISTING

<110> C. Frank Bennett
Susan M. Freier

<120> ANTISENSE MODULATION OF HKR1 EXPRESSION

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Thr Gly Arg  *  Cys Trp Arg Leu Ile Thr Ile Trp Ser His Trp Lys
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Phe His Leu Leu Asn Gln Asn Ser Leu Leu Ser Trp Ser Glu Gly Lys
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RTS-0248

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TOP SECRET

Figure 1 consists of 12 bar charts, labeled (a) through (l), arranged in a 4x3 grid. Each chart displays the percentage of total protein in various fractions (A, B, C, D, E, F, G, H, I, J, K, L) for different protein types (A, B, C, D, E, F, G, H, I, J, K, L) across different conditions (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12). The charts are arranged in a grid, with each chart having its own y-axis scale and legend. The protein types are indicated by different symbols: solid black bars for A, white bars for B, hatched bars for C, and dotted bars for D. The conditions are indicated by different symbols: solid black bars for 1, white bars for 2, hatched bars for 3, and dotted bars for 4. The fractions are indicated by different symbols: solid black bars for A, white bars for B, hatched bars for C, and dotted bars for D. The charts show that the percentage of total protein in each fraction varies significantly between conditions and protein types.

[illegible]

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different demographic or social category. The x-axis for all charts represents age groups: 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+. The y-axis represents the percentage of the total sample, ranging from 0% to 100%.

- (a) Education level:** Shows percentages for 'Less than high school', 'High school', 'Some college', 'Bachelor's degree', and 'Postgraduate'. The percentage of 'Less than high school' decreases with age, while 'Postgraduate' increases.
- (b) Employment status:** Shows percentages for 'Unemployed', 'Part-time', 'Full-time', and 'Retired'. The percentage of 'Unemployed' is highest in the 18-24 group, while 'Retired' is highest in the 65+ groups.
- (c) Income level:** Shows percentages for 'Less than \$10,000', '\$10,000-\$19,999', '\$20,000-\$29,999', '\$30,000-\$39,999', '\$40,000-\$49,999', '\$50,000-\$59,999', '\$60,000-\$69,999', '\$70,000-\$79,999', '\$80,000-\$89,999', '\$90,000-\$99,999', and '\$100,000 or more'. The percentage of 'Less than \$10,000' is highest in the 18-24 group, while '\$100,000 or more' is highest in the 65+ groups.
- (d) Housing tenure:** Shows percentages for 'Own', 'Rent', and 'Other'. The percentage of 'Own' increases with age, while 'Rent' decreases.
- (e) Marital status:** Shows percentages for 'Single', 'Married', 'Divorced', and 'Widowed'. The percentage of 'Single' is highest in the 18-24 group, while 'Widowed' is highest in the 65+ groups.
- (f) Health status:** Shows percentages for 'Excellent', 'Very good', 'Good', 'Fair', and 'Poor'. The percentage of 'Excellent' and 'Very good' decreases with age, while 'Poor' increases.
- (g) Mobility status:** Shows percentages for 'Independent', 'Needs assistance', and 'Unable to move'. The percentage of 'Independent' is highest in the 18-24 group, while 'Unable to move' is highest in the 65+ groups.
- (h) Access to services:** Shows percentages for 'No access', 'Limited access', and 'Full access'. The percentage of 'No access' is highest in the 18-24 group, while 'Full access' is highest in the 65+ groups.
- (i) Social network:** Shows percentages for 'No one', '1-2 people', '3-4 people', '5-6 people', '7-8 people', '9-10 people', and 'More than 10 people'. The percentage of 'No one' is highest in the 18-24 group, while 'More than 10 people' is highest in the 65+ groups.
- (j) Life satisfaction:** Shows percentages for 'Very dissatisfied', 'Dissatisfied', 'Satisfied', and 'Very satisfied'. The percentage of 'Very dissatisfied' is highest in the 18-24 group, while 'Very satisfied' is highest in the 65+ groups.
- (k) Health status (detailed):** Shows percentages for 'No chronic conditions', '1 chronic condition', '2 chronic conditions', '3 or more chronic conditions'. The percentage of 'No chronic conditions' is highest in the 18-24 group, while '3 or more chronic conditions' is highest in the 65+ groups.
- (l) Mobility status (detailed):** Shows percentages for 'No mobility issues', 'Minor mobility issues', 'Moderate mobility issues', and 'Severe mobility issues'. The percentage of 'No mobility issues' is highest in the 18-24 group, while 'Severe mobility issues' is highest in the 65+ groups.

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different demographic or social category. The x-axis for all charts represents age groups: 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, and 75+. The y-axis represents the percentage of the total sample, ranging from 0% to 100%.

- (a) Education level:** Shows percentages for 'Less than high school', 'High school', 'Some college', 'Bachelor's degree', and 'Postgraduate'. The percentage of 'Less than high school' decreases with age, while 'Postgraduate' increases.
- (b) Employment status:** Shows percentages for 'Unemployed', 'Part-time', 'Full-time', and 'Retired'. The percentage of 'Unemployed' is highest in the 18-24 group, while 'Retired' is highest in the 65+ groups.
- (c) Income level:** Shows percentages for 'Less than \$10,000', '\$10,000-\$19,999', '\$20,000-\$29,999', '\$30,000-\$39,999', '\$40,000-\$49,999', '\$50,000-\$59,999', '\$60,000-\$69,999', '\$70,000-\$79,999', '\$80,000-\$89,999', '\$90,000-\$99,999', and '\$100,000 or more'. The percentage of 'Less than \$10,000' is highest in the 18-24 group, while '\$100,000 or more' is highest in the 65+ groups.
- (d) Housing tenure:** Shows percentages for 'Own', 'Rent', and 'Other'. The percentage of 'Own' increases with age, while 'Rent' decreases.
- (e) Marital status:** Shows percentages for 'Single', 'Married', 'Divorced', and 'Widowed'. The percentage of 'Single' is highest in the 18-24 group, while 'Widowed' is highest in the 65+ groups.
- (f) Health status:** Shows percentages for 'Excellent', 'Very good', 'Good', 'Fair', and 'Poor'. The percentage of 'Excellent' and 'Very good' decreases with age, while 'Poor' increases.
- (g) Mobility status:** Shows percentages for 'Independent', 'Needs assistance', and 'Unable to move'. The percentage of 'Independent' is highest in the 18-24 group, while 'Unable to move' is highest in the 65+ groups.
- (h) Access to services:** Shows percentages for 'No access', 'Limited access', and 'Full access'. The percentage of 'No access' is highest in the 18-24 group, while 'Full access' is highest in the 65+ groups.
- (i) Social network:** Shows percentages for 'No one', '1-2 people', '3-4 people', '5-6 people', '7-8 people', '9-10 people', and 'More than 10 people'. The percentage of 'No one' is highest in the 18-24 group, while 'More than 10 people' is highest in the 65+ groups.
- (j) Life satisfaction:** Shows percentages for 'Very dissatisfied', 'Dissatisfied', 'Satisfied', and 'Very satisfied'. The percentage of 'Very dissatisfied' is highest in the 18-24 group, while 'Very satisfied' is highest in the 65+ groups.
- (k) Health status (detailed):** Shows percentages for 'No chronic conditions', '1 chronic condition', '2 chronic conditions', '3 or more chronic conditions'. The percentage of 'No chronic conditions' is highest in the 18-24 group, while '3 or more chronic conditions' is highest in the 65+ groups.
- (l) Mobility status (detailed):** Shows percentages for 'No mobility issues', 'Minor mobility issues', 'Moderate mobility issues', and 'Severe mobility issues'. The percentage of 'No mobility issues' is highest in the 18-24 group, while 'Severe mobility issues' is highest in the 65+ groups.

Figure 1 consists of 12 bar charts (a-l) showing the percentage of total catch for various fish species in the Kuroshio Current. The species are: (a) Japanese anchovy, (b) Pacific anchovy, (c) Pacific herring, (d) Pacific mackerel, (e) Pacific sardine, (f) Pacific sprat, (g) Pacific whiting, (h) Pacific halibut, (i) Pacific salmon, (j) Pacific trout, (k) Pacific cod, and (l) Pacific pollock. Each chart shows the percentage of total catch for each species across different months and years. The x-axis for each chart represents the month (January to December) and the y-axis represents the percentage of total catch (0% to 100%). The data is presented in a grid format with species names and years as labels.

Table 1. *Salmonella* serotypes and phage types isolated from the 1997-1998 salmonellosis outbreak in the Netherlands. The serotypes were determined by serotyping and phage typing was performed by phage typing

Serotype	Phage type	Number of isolates
Senftenberg	1	1
Senftenberg	2	1
Senftenberg	3	1
Senftenberg	4	1
Senftenberg	5	1
Senftenberg	6	1
Senftenberg	7	1
Senftenberg	8	1
Senftenberg	9	1
Senftenberg	10	1
Senftenberg	11	1
Senftenberg	12	1
Senftenberg	13	1
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Senftenberg	43	1
Senftenberg	44	1
Senftenberg	45	1
Senftenberg	46	1
Senftenberg	47	1
Senftenberg	48	1
Senftenberg	49	1
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Senftenberg	65	1
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Senftenberg	67	1
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Senftenberg	72	1
Senftenberg	73	1
Senftenberg	74	1
Senftenberg	75	1
Senftenberg	76	1
Senftenberg	77	1
Senftenberg	78	1
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Senftenberg	89	1
Senftenberg	90	1
Senftenberg	91	1
Senftenberg	92	1
Senftenberg	93	1
Senftenberg	94	1
Senftenberg	95	1
Senftenberg	96	1
Senftenberg	97	1
Senftenberg	98	1
Senftenberg	99	1
Senftenberg	100	1

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different fish species. The x-axis for all charts is 'Month' with values 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. The y-axis is 'Percentage of total catch' ranging from 0 to 100. The charts show seasonal variations in the catch of each species. The species are: (a) Japanese anchovy, (b) Pacific anchovy, (c) Pacific herring, (d) Pacific mackerel, (e) Pacific sardine, (f) Pacific sprat, (g) Pacific whiting, (h) Pacific halibut, (i) Pacific salmon, (j) Pacific trout, (k) Pacific cod, and (l) Pacific pollock.

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different fish species. The x-axis for all charts is 'Month' with values 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12. The y-axis is 'Percentage of total catch' ranging from 0 to 100. The charts show seasonal variations in the catch of each species. The species are: (a) Japanese anchovy, (b) Pacific anchovy, (c) Pacific herring, (d) Pacific mackerel, (e) Pacific sardine, (f) Pacific sprat, (g) Pacific whiting, (h) Pacific halibut, (i) Pacific salmon, (j) Pacific trout, (k) Pacific cod, and (l) Pacific pollock.

Table 1. *Salmonella* serotypes and phage types isolated from the 1997-1998 salmonellosis outbreak in the Netherlands. The serotypes were determined by serotyping and phage typing was performed by phage typing

Serotype	Phage type	Number of isolates
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Senftenberg	9	1
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Senftenberg	97	1
Senftenberg	98	1
Senftenberg	99	1
Senftenberg	100	1

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Senftenberg	94	1
Senftenberg	95	1
Senftenberg	96	1
Senftenberg	97	1
Senftenberg	98	1
Senftenberg	99	1
Senftenberg	100	1

Table 1. *Salmonella* serotypes and phage types isolated from the 1997-1998 salmonellosis outbreak in the Netherlands. The serotypes were determined by serotyping and phage typing was performed by phage typing

Serotype	Phage type	No. of isolates
Senftenberg	1	1
Senftenberg	2	1
Senftenberg	3	1
Senftenberg	4	1
Senftenberg	5	1
Senftenberg	6	1
Senftenberg	7	1
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Senftenberg	94	1
Senftenberg	95	1
Senftenberg	96	1
Senftenberg	97	1
Senftenberg	98	1
Senftenberg	99	1
Senftenberg	100	1

Table 1. *Salmonella* serotypes and phage types isolated from the 1997-1998 salmonellosis outbreak in the Netherlands. The serotypes were determined by serotyping and phage typing was performed by phage typing

Serotype	Phage type	Number of isolates
Senftenberg	1	1
Senftenberg	2	1
Senftenberg	3	1
Senftenberg	4	1
Senftenberg	5	1
Senftenberg	6	1
Senftenberg	7	1
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Senftenberg	99	1
Senftenberg	100	1

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<211> 20
<212> DNA
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Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 10.0
Gender	
Male	50.0%
Female	50.0%
Education (years)	12.0 ± 2.0
Marital status	
Married	60.0%
Single	40.0%
Occupation	
Retired	70.0%
Unemployed	30.0%
Income (USD/month)	1,200 ± 300
Health status	
Good	60.0%
Fair	40.0%
Poor	0.0%
Comorbidities	
Hypertension	30.0%
Diabetes	20.0%
Cholesterol	10.0%
Smoking status	
Smoker	10.0%
Non-smoker	90.0%
Alcohol consumption	
Regular	5.0%
Occasional	15.0%
Never	80.0%

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